



## SEQUENCE LISTING

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APR 05 2001

TECH CENTER 1600/2900

<110> Citovsky, Vitaly H  
Rhee, Yoon

<120> Genetic Assay for Protein Nuclear Transport

<130> 001.00301

<140> US 09/435,274

<141> 1999-11-05

<150> US 60/107,417

<151> 1998-11-06

<160> 13

<170> PatentIn Ver. 2.1

<210> 1

<211> 611

<212> DNA

<213> Unknown Organism

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<223> Description of Unknown Organism:bacterial

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<223> modified bacterial lexA

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acgcggctga agaacatctg aaggcgctgg cagcgaagg cgttattgaa attgtttccg 180  
gcgcatcacg cgggattcgt ctgttgccagg aagaggaaga agggttgctg ctggtaggtc 240  
gtgtggctgc cgggtaacca cttctggcgc aacagcatat tgaaggatcat tatcaggctc 300  
atccttcctt attcaagccg aatgctgatt tctgctgctg cgtcagcggg atgtcgatga 360  
aagatatcgg cattatggat ggtgacttgc tggcagtgca taaaactcag gatgtacgta 420  
acggtcaggc cgttgctgca cgtattgatg acgaagttac cgttaagggc ctggaaaaaac 480  
agggcaataa agtcgaactg ttgccagaaa atagcgagtt taaaccaatt gtcgttgacc 540  
ttcgtcagca gagcttcacc attgaagggc tggcgggttg gggtattcgc aacggcgact 600  
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<210> 2

<211> 204

<212> PRT

<213> Unknown Organism

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<223> Description of Unknown Organism:bacterial

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			20				25						30		
Gln	Arg	Leu	Gly	Phe	Arg	Ser	Pro	Asn	Ala	Ala	Glu	Glu	His	Leu	Lys
		35					40					45			
Ala	Leu	Ala	Arg	Lys	Gly	Val	Ile	Glu	Ile	Val	Ser	Gly	Ala	Ser	Arg
	50					55					60				
Gly	Ile	Arg	Leu	Leu	Gln	Glu	Glu	Glu	Glu	Gly	Leu	Pro	Leu	Val	Gly
65				70						75				80	
Arg	Val	Ala	Ala	Gly	Glu	Pro	Leu	Leu	Ala	Gln	Gln	His	Ile	Glu	Gly
				85					90					95	
His	Tyr	Gln	Val	Asp	Pro	Ser	Leu	Phe	Lys	Pro	Asn	Ala	Asp	Phe	Leu
		100						105					110		
Leu	Arg	Val	Ser	Gly	Met	Ser	Met	Lys	Asp	Ile	Gly	Ile	Met	Asp	Gly
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Asp	Leu	Leu	Ala	Val	His	Lys	Thr	Gln	Asp	Val	Arg	Asn	Gly	Gln	Val
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Val	Val	Ala	Arg	Ile	Asp	Asp	Glu	Val	Thr	Val	Lys	Gly	Leu	Glu	Lys
145					150					155				160	
Gln	Gly	Asn	Lys	Val	Glu	Leu	Leu	Pro	Glu	Asn	Ser	Glu	Phe	Lys	Pro
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Ile	Val	Val	Asp	Leu	Arg	Gln	Gln	Ser	Phe	Thr	Ile	Glu	Gly	Leu	Ala
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<223> large T antigen NLS

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Leu

<210> 5  
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<223> Rev protein NES

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signal

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signal

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<223> mutant lexA primer

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<212> DNA

<213> Artificial Sequence

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<223> selection lexA primer

<400> 13

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